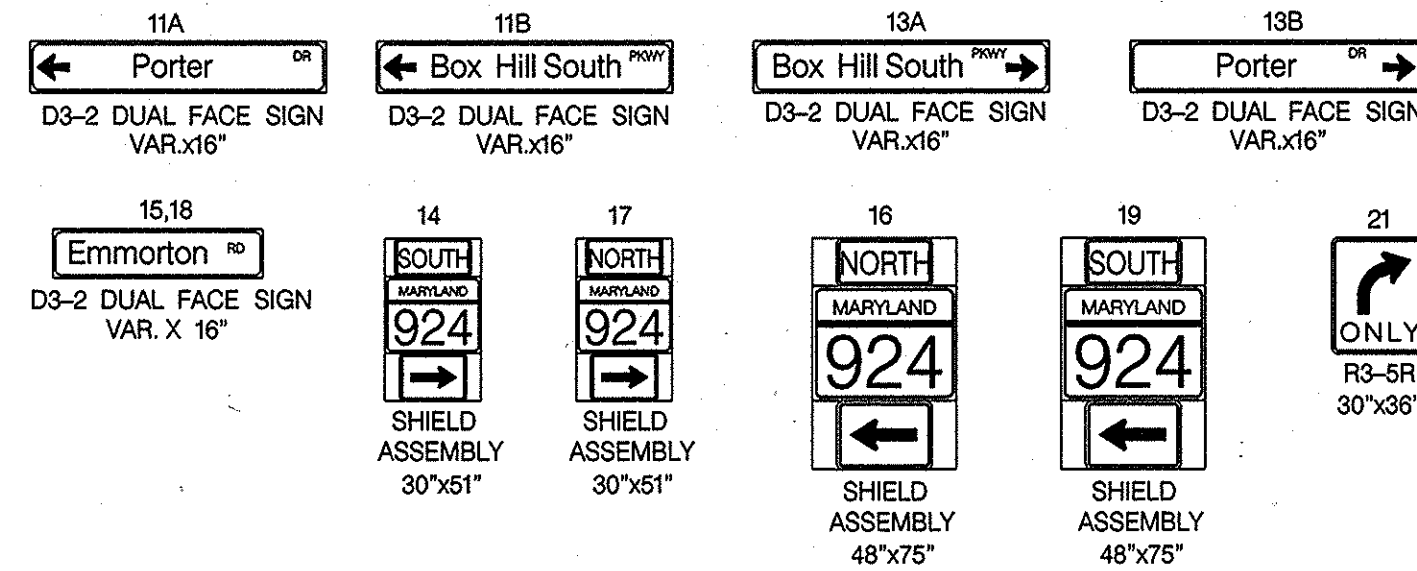


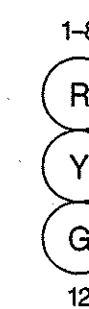


MD 924 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

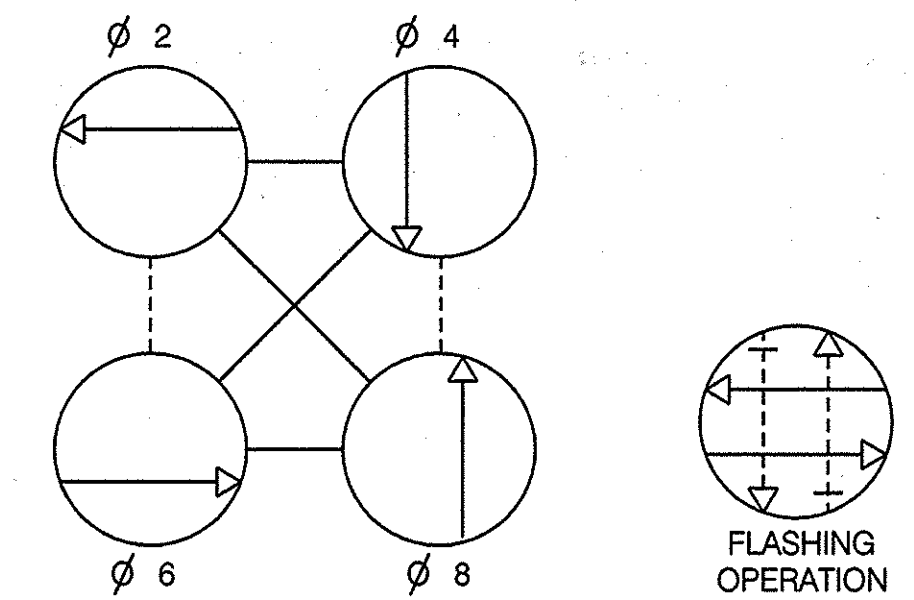
### EXISTING SIGNS



### EXISTING SIGNALS



### NEMA PHASING



#### PHASING NOTES:

- 1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- 2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

MD 924 (EMMORTON RD)

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#### CONSTRUCTION DETAILS:

- A. USE EXISTING SIGNAL POLE.
- B. INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.
- C. USE EXISTING HANDHOLE.
- D. REMOVE EXISTING HANDHOLE.
- E. CAP AND ABANDON EXISTING CONDUIT.
- F. USE EXISTING CONTROLLER AND CABINET.
- G. USE EXISTING CONDUIT.
- H. INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- I. USE EXISTING LOOP DETECTOR.
- J. INSTALL 6 FT. X 30 FT. QUADRUPOLE LOOP DETECTOR (3-6-3 TURNS).
- K. INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT - SLEEVE FOR DETECTION WIRE.
- L. INSTALL 4 IN. X 4 IN. WOOD POST AND RELOCATE SIGN.
- M. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS AND RELOCATE AS SHOWN.
- N. INSTALL 10 IN. YELLOW (TEMP.) PAVEMENT MARKING (45 DEGREES AT 40 FT. SPACING).
- O. INSTALL 5 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING.
- P. THE CONTRACTOR SHALL DISCONNECT EXISTING SIGNAL HEAD CABLES (ONE PHASE AT A TIME) FROM CONTROLLER AND OLD CONDUITS AND RECONNECT THROUGH NEW CONDUIT TO CABINET.

#### PAVEMENT MARKING:

DIAGONAL LINES SHALL BE INSTALLED TO AN APPROXIMATE LENGTH OF 250 FT. FROM STOPLINE.



NEW CONSTRUCTION

#### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— V —

#### GENERAL NOTES:

1. THE CONTRACTOR SHALL DISCONNECT EXISTING SIGNAL HEAD CABLES (ONE PHASE AT A TIME) FROM CONTROLLER AND OLD CONDUITS AND RECONNECT THROUGH NEW CONDUIT TO CABINET.
2. ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
3. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE INSTALLED BY OTHERS.
4. THE CONTRACTOR SHALL REMOVE ALL UNUSED WIRING.
5. THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

TRAFFIC CONCEPTS, INC.

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APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION	
OFFICE DIRECTOR	

REVISIONS	
(B)	SHA NO. BW996M82 43008 WIDEN EAST LEG FOR ADDITIONAL LANE
TZ	
A	SHA NO. HA2825176 43008 INSTALL PROBES ON MD 924 & VID DET FOR SIDE STREETS

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
**TRAFFIC SIGNAL PLAN**  
MD 924 (EMMORTON RD.) AND  
BOX HILL SOUTH PKWY./PORTER DR.

SCALE 1"= 20' DATE 1/98 CONTRACT NO.

DESIGNED BY COUNTY HANFORD  
DRAWN BY TMS LOGMILE 12092400.45  
CHECKED BY M. BUCKER TMS NO. J-086  
F.A.P. NO. TOD NO.

TS NO. 3789B DRAWING NO. 1 OF 2 SHEET NO. OF

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DATE: Tuesday, May 08, 2006 AT 03:15 PM